

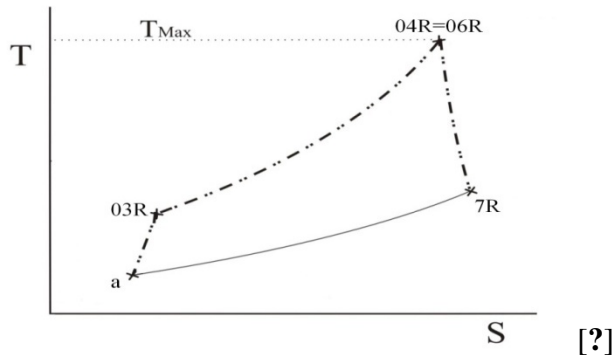
# The Thermodynamics of a Ramjet

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## I. INTRODUCTION

## II. THE PHYSICAL RAMJET

A. *Inlet*

B. *Combustion Chamber*

C. *Nozzle*

## III. THE BRAYTON CYCLE

A. *Inlet and Compressor*

B. *Combustor*

C. *Turbine and Nozzle*

D. *Heat Rejection to Atmosphere*

## IV. CONCLUSION

## REFERENCES

- [1] A. Almeldein, "T-s diagram of a ram-jet." [Online]. Available: [https://www.researchgate.net/figure/Figure-9-T-S-Diagram-of-ramjet-engine\\_fig1\\_265795322](https://www.researchgate.net/figure/Figure-9-T-S-Diagram-of-ramjet-engine_fig1_265795322)